

What is claimed is:

1. A transmission/reception apparatus comprising:

modulator for modulating in such a way that one symbol is expressed using 3 or more bits; and

5 placer for placing information selected from all information to be communicated on at least one of the 1st bit or 2nd bit of a transmission signal.

10 2. The transmission/reception apparatus according to claim 1, wherein the information is selected from all information to be communicated according to the level of importance.

15 3. A transmission/reception apparatus comprising: extractor for extracting information from at least one of the 1st bit or 2nd bit of a reception signal modulated according to a modulation system in which one symbol is expressed using 3 or more bits; and
20 communication controller for performing communication control based on the extracted information.

25 4. The transmission/reception apparatus according to claim 3, wherein the information is selected from all information to be communicated according to the level of importance.

5. The transmission/reception apparatus according to

claim 3, wherein said communication controller comprises retransmission instructor for instructing the other end of communication to retransmit based on the information.

- 5 6. The transmission/reception apparatus according to claim 3, wherein said communication controller comprises reception controller for performing reception control on the reception signal based on the information.

- 10 7. A base station apparatus equipped with a transmission/reception apparatus, said transmission/reception apparatus comprising:

modulator for modulating in such a way that one symbol is expressed using 3 or more bits; and

- 15 placer for placing information selected from all information to be communicated on at least one of the 1st bit or 2nd bit of a transmission signal.

8. A communication terminal apparatus equipped with a
20 transmission/reception apparatus, said transmission/reception apparatus comprising:

modulator for modulating in such a way that one symbol is expressed using 3 or more bits; and

- 25 placer for placing information selected from all information to be communicated on at least one of the 1st bit or 2nd bit of a transmission signal.

9. A base station apparatus comprising:

extractor for extracting retransmission
information from at least one of the 1st bit or 2nd bit
of a reception signal modulated according to a modulation
system in which one symbol is expressed using 3 or more
5 bits; and

retransmission instructor for instructing a radio
station, which is the transmission source, to retransmit
based on the extracted retransmission information using
a control channel.

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10. A communication terminal apparatus comprising:

extractor for extracting retransmission
information from at least one of the 1st bit or 2nd bit
of a reception signal modulated according to a modulation
15 system in which one symbol is expressed using 3 or more
bits; and

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retransmission instructor for instructing a radio
station, which is the transmission source, to retransmit
based on the extracted retransmission information using
20 a control channel.

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11. A transmission/reception method comprising:

the modulating step of modulating in such a way that
one symbol is expressed using 3 or more bits; and

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the placing step of placing information selected
from all information to be communicated on at least one
of the 1st bit or 2nd bit of a transmission signal.

12. The transmission/reception method according to claim 11, further comprising:

the extracting step of extracting information from at least one of the 1st bit or 2nd bit of a reception signal modulated according to a modulation system in which one symbol is expressed using 3 or more bits; and

the communication control step of performing communication control based on the extracted information.

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Add A1
Add B2